

深圳市泓德致新科技有限公司

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天线测试报告

Antenna Test Report

天线型号 (Antenna Model)

主天线(Main antenna):HDZX-J6558 Black 0.81L=180mm

分级天线(Hierarchical antenna) :HDZX-j6560 Black 0.81 L=85mm

Wifi/BT GPS 天线(Wifi/BT GPS antenna): HDZX-J6559 Black L=90mm

1. 实验设备技术指标 (Technical specifications of experimental equipment)

1.1 技术指标 (Specifications)

工作频率范围 (Frequency Range)	791 ~ 920 MHz 1710 ~ 2690 MHz 4800 ~ 5890 MHz
驻波比(SWR)	791 ~ 920 MHz: < 4.5 1710 ~ 2690 MHz: < 4.5 4800 ~ 5890 MHz: < 4.5
天线增益(Antenna gain)	791~ 920 MHz: - 5.0 dBi ±1dBi 1710 ~ 2690 MHz: -3 dBi ± 1.5dBi 4800 ~ 5890 MHz dBi ± 1.5dBi
辐射效率 (Antenna radiation efficiency)	791 ~920 MHz : > 20 % 1710 ~ 2690 MHz: > 25 % 4800 ~ 5890 MHz:> 20 %
阻抗(Ohm)	50 ohm

产品信息 (Product Information)

序号 (SN)	产品配置信息 (Product configuration information)	
1	类型 (type)	智能平板 (Smart Tablet)
2	天线类型 (Antenna type)	PIFA、FPC

2.4G-WIFI Antenna gain	+2.27dBi		
5G-WIFI Antenna gain	5.15G~5.25G	+1.96dBi	
	5.725~5.85	+1.59dBi	
BT Antenna gain	+2.27dBi		

GPS	Antenna gain	+1.23
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产品测试报告

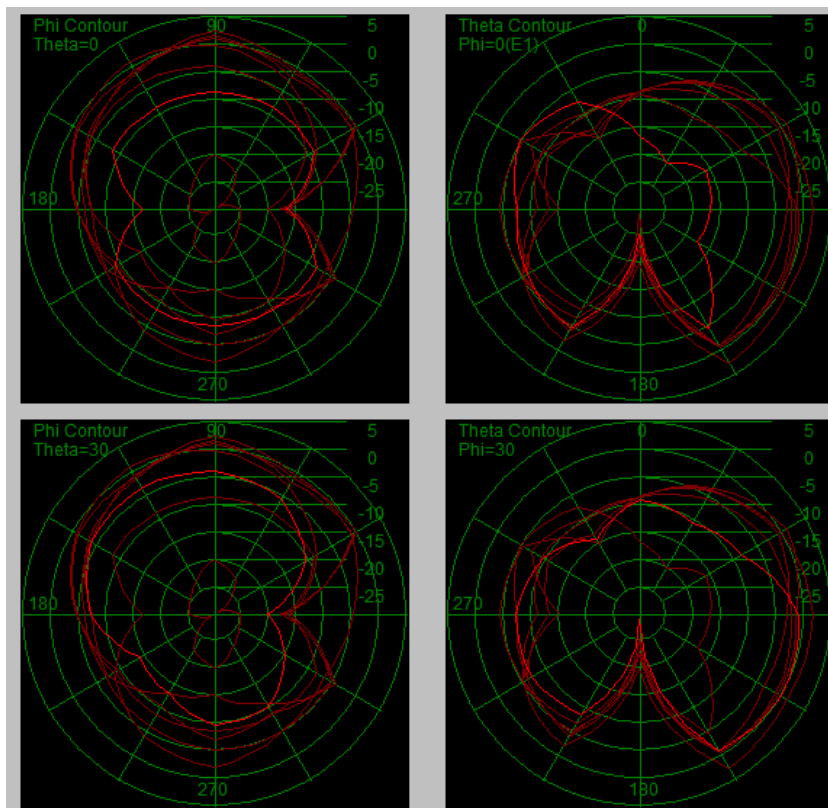
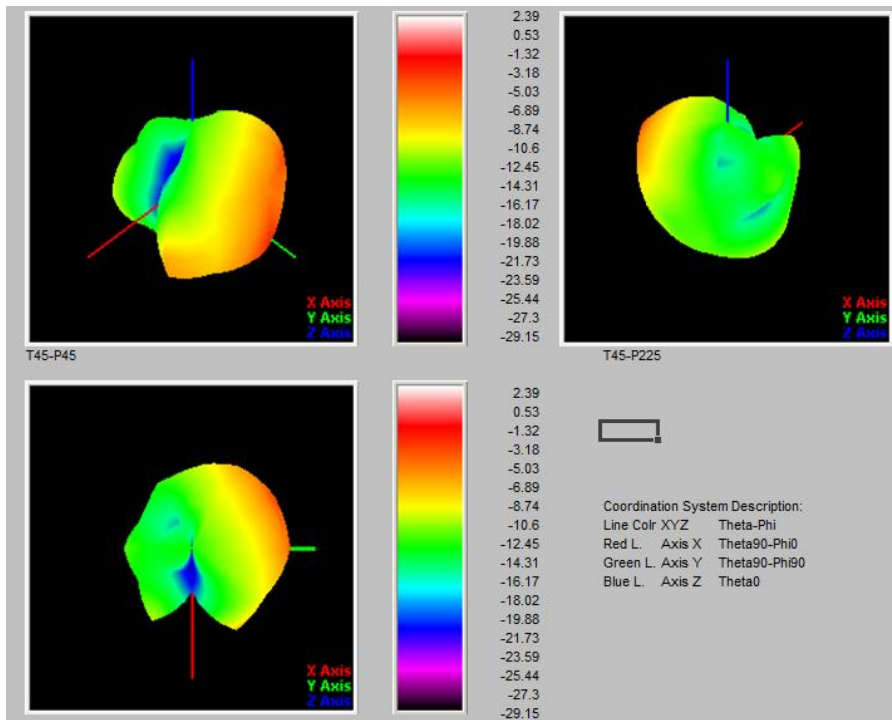
Wifi/BT GPS antenna data

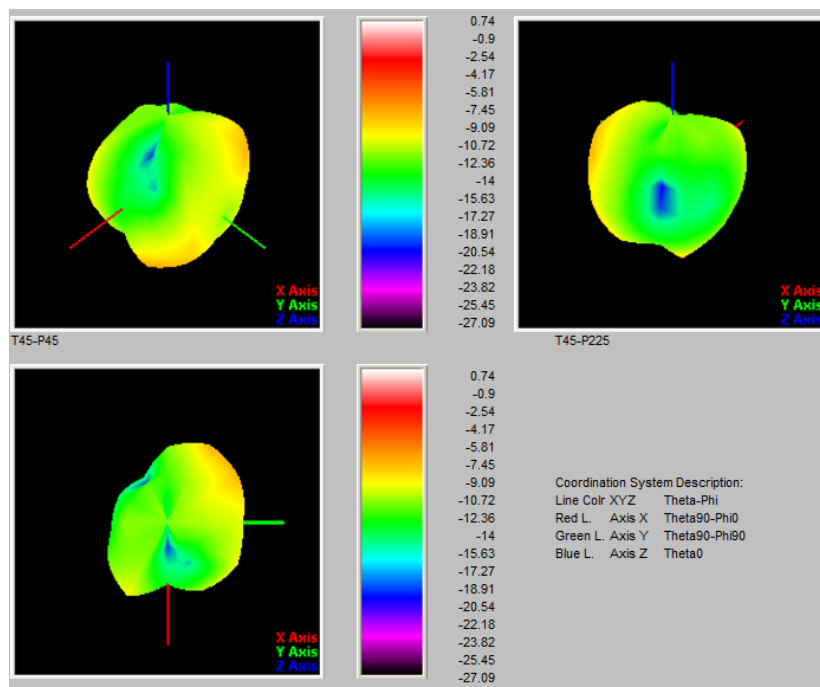
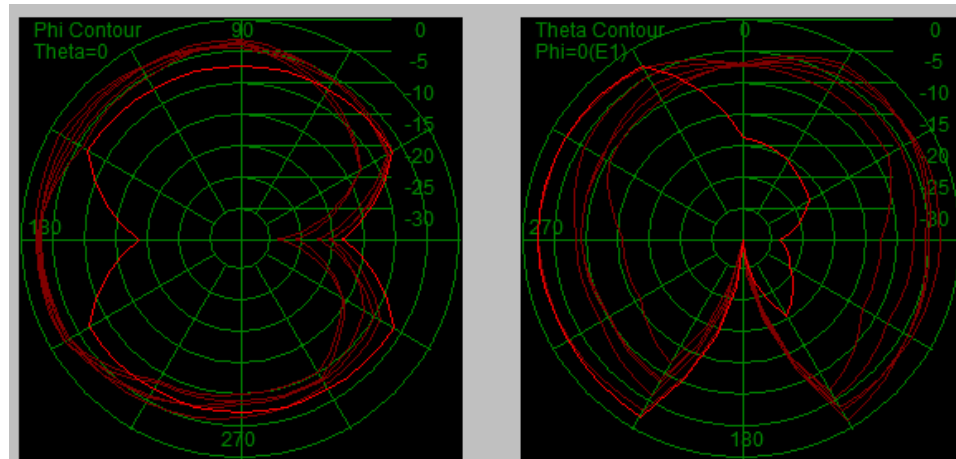
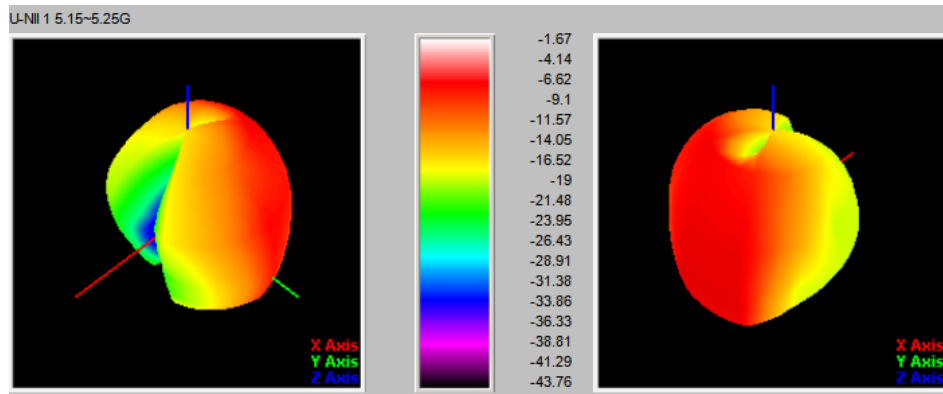
2.2 WIFI Antenna Gain/Efficiency

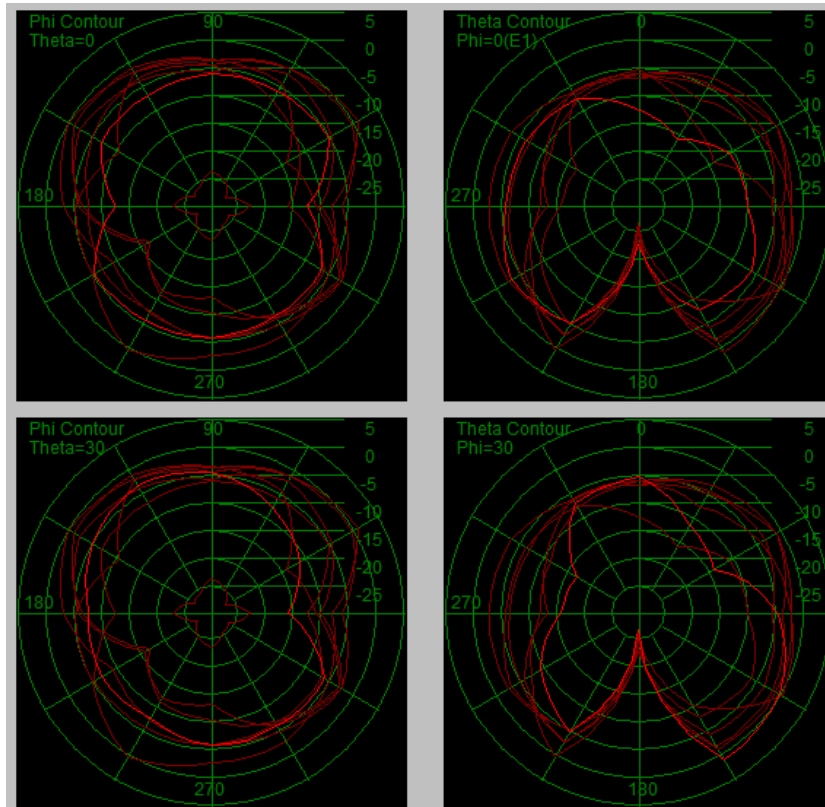
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	55.85	-2.53	1.9
2410	55.89	-2.53	1.98
2420	54.99	-2.6	2.03
2430	57.86	-2.38	2.18
2440	54.6	-2.63	1.88
2450	58.49	-2.33	2.24
2460	56.02	-2.52	1.96
2470	59.43	-2.26	2.27
2480	59.74	-2.24	2.27
2490	61.93	-2.08	2.35
2500	62.65	-2.03	2.41

WIFI 5G data test

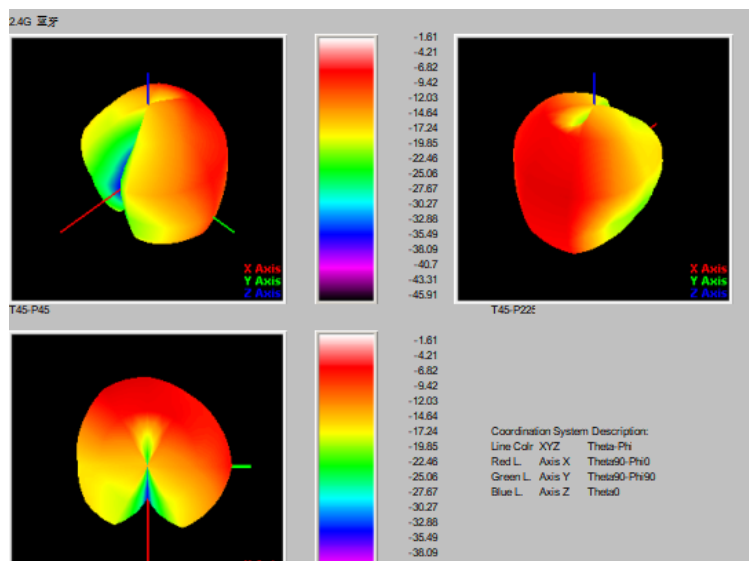
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	51.94	-3.02	1.67
5250	53.01	-2.36	1.96
5725	52.87	-2.61	1.59
5850	51.01	-2.02	0.74

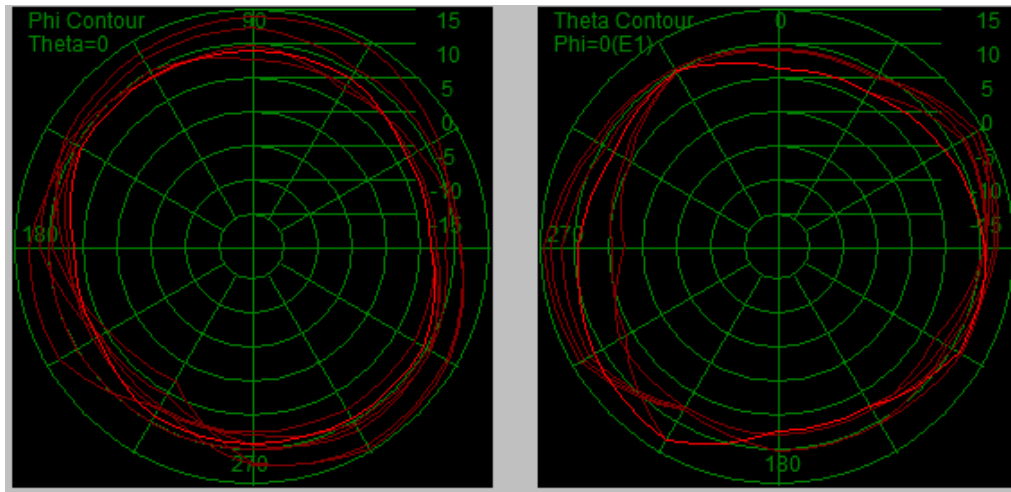






Active data





2. 4G Bluetooth active data

2.4G蓝牙	信道	TRP	TIS
蓝牙	0	3.11	-56.05
	39	3.69	-58.14
	78	3.53	-56.58

GenerationAdobe PhotoshopTest data

